Synapse (Fig5) Report

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| File name | Templates | Dims. | ED constant | IAs | Timing | Synapse settings | Outcome |
| T5A |  | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.85 | 90s total to get to steady state  Dt = 1e-6 | NONE | Success |
| T5B | - | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.45 (8) | 90s total to get to steady state  Dt = 1e-6 | NONE | Success |
| T5C | - | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -1.25 (8) | 90s total to get to steady state  Dt = 1e-6 | NONE | success |
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| S1 | T5A | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.85 | 100ms  Dt = 1e-6  Intervals = 50000 | Excitatory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S | Success |
| S2 | T5A | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.85 | 100ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S3 | T5B | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.45(8) | 100ms  Dt = 1e-6  Intervals = 50000 | Excitatory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S4 | T5B | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.45 (8) | 100ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S5 | T5C | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -1.25(8) | 100ms  Dt = 1e-6  Intervals = 50000 | Excitatory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S6 | T5C | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -1.25(8) | 100ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S2v2 | T5A | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.85 | 300ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S4v2 | T5B | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.45(8) | 300ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S6v2 | T5C | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -1.25(8) | 300ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 1e-9S |  |
| S2v3 | T5A | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.85 | 300ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 3mM  Conduct = 1e-9S |  |
| S2v4 | T5A | Comps: 20um x 0.5um  Soma: 40um x 1um | 1e-7/2 | Z = -0.85 | 300ms  Dt = 1e-6  Intervals = 50000 | Inhibitory @c8  Start t = 10ms  Duration= 2ms  Nt\_max = 1mM  Conduct = 3e-9S |  |
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